

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/557,262

Input Set : A:\MIT087PC.txt  
Output Set: N:\CRF3\05092000\I557262.raw

ENTERED

[illegible]

## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/057,262

DATE: 05/10/2000

LINE: 40 : (Q : 0) 3

[Input Set] : A:\MIT087PC.txt

Output Set: N:\CRF\05092000\1557262.raw

[illegible]

## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/557,262

DATE: 05/19/2009

TIME: 10:20:13

Input Set: A:\MIT087PC.txt

Output Set: N:\CRF3\05092009\I557262.raw

```

138 gaagaaatt aactatgca ctgaadaat aaggaattt ttttttgg aaagctatt 150
140 ttgttgttt attattttt atataattt actatctca atcaatata gctatttatt 162
142 ttaccttat tctcaattt atagctttt tctgatttt aaatttttt gtaatttga 184
145 <210> SEQ ID NO: 3
146 <211> LENGTH: 311
147 <212> TYPE: CDS
148 <213> ORGANISM: Mus musculus
149 <150> SEQUENCE: 2
151 Met Thr Leu Leu Leu Leu Gly Ala Val Leu Leu Val Ala Gln 1 30
152 Leu Val His Ser His Pro Ala Arg Phe Gly Val Met Leu Lys Gln 31 60
153 Gln Leu Leu Arg Lys Val Ile Leu Phe Gln Asp Lys Arg Gln 61 90
154 Thr Ala Ser Asn Gln Val Val Val Val Val Val Val Val 91 120
155 Gly Val Arg Lys Cys Val Val Val Val Val Val Val Val 121 150
156 His Pro Asp Val Ala Val Val Val Val Val Val Val Val 151 180
157 Gln Gln His Tyr Ser Val Val Val Val Val Val Val Val 181 210
158 Phe Ser Ser Pro His Val Val Val Val Val Val Val Val 211 240
159 Thr Ser Pro Lys Val Val Val Val Val Val Val Val 241 270
160 Ala Leu Leu Leu Val Val Val Val Val Val Val Val 271 300
161 Tyr Trp Gln Val Val Val Val Val Val Val Val Val Val 301 330
162 Pro Ile Gln Asp Val Leu Val Ser Asp Arg Arg Leu Arg Leu Asp 331 360
163 Lys Ala Leu Asn Arg Ser Leu Tyr His Ala His Met Leu Asn Trp Leu 361 390
164 Arg Phe Leu Pro Leu Gly His Ile His Ile Val Asp Gly Asp Arg Leu 391 420
165 Ile Arg Asp Pro Arg Val Gln Ile Glu Ile Val Gln Arg Phe Leu Lys 421 450
166 Leu Ser Pro Gln Val Val Val Val Val Val Val Val Val Val 451 480
167 Gly Phe Tyr Cys Leu Val Val Val Val Val Val Val Val Val 481 510
168 Ser Lys Gly Arg Asn Val Val Val Val Val Val Val Val Val 511 540
169 Leu His Gln Tyr Phe His Gln Pro Val Lys Lys Phe Phe Leu Val 541 570
170 Gly Arg Thr Phe Asp Trp His
171 <210> SEQ ID NO: 3

```

## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/557,262

DATE: 05/10/2009

TIME: 16:30:03

Input Set : A:\MIT087PC.txt

Output Set : N:\CRF3\05092000\1557262.raw

```

213 211 LENGTH: 1305
214 212 TYPE: PNA
215 213 ORGANISM: Homo sapiens
217 220 FEATURE:
218 221 NAME/KEY: CDS
219 222 LOCATION: (119)..(1305)
220 223 OTHER INFORMATION: Manual 3-51-1
221 1000 SEQUENCE: 3
222 cgcgggtccag taattgaagg cctgaagagg cctatgaga ctgaattaga gatttccttg cc
223 ctcgcgcact tcatgagcca agcagggagg ggcctataga gccacataga tatccagg 118
224 atg aac gaa ctg ttc ctg gaa gaa ggc ctg ctg atg gcc cag gcc cag 196
225 Met Ala Ala Leu Leu Leu His Ala Val Leu Val Ala Gln Arg Gln
226 1 5 10 15 20
227 cta atc cct tgc ctg ggc ggc ggc ggc ggc ggc ggc ggc ggc 214
228 Leu Val Pro Ser Arg Val Val Val Val Val Val Val Val Val Val
229 25 30 35 40 45 50
230 aag gaa gaa gaa gcc ctg ctg ctg ctg ctg ctg ctg ctg ctg ctg 261
231 Lys Ala Gly Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
232 55 60 65 70 75 80
233 ggc tct ggc cag ctg ctg ctg ctg ctg ctg ctg ctg ctg ctg ctg 318
234 Gly Ser Ala Gln Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
235 85 90 95 100 105 110
236 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 375
237 Gly Gly Thr Arg Ala Leu Val Val Val Val Val Val Val Val Val Val
238 115 120 125 130 135 140
239 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 432
240 Ala Ala Ala Gln Ala Val Val Val Val Val Val Val Val Val Val Val
241 145 150 155 160 165 170
242 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 489
243 Ala Ala Ala Gln Ala Val Val Val Val Val Val Val Val Val Val Val
244 175 180 185 190 195 200
245 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 546
246 Ser His Thr Thr Gln Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
247 205 210 215 220 225 230
248 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 603
249 His Gln Leu Thr Val Gln Lys Thr Thr Ala Thr Phe Thr Ser Pro Lys
250 235 240 245 250 255 260
251 atc cct gaa ggc ctg tac ggc atg ggc ggc ggc ggc ggc ggc ggc ggc 660
252 Pro Gln Arg Val Tyr Thr Met Thr Thr Ser Thr Thr Leu Thr Thr
253 265 270 275 280 285 290
254 atc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 717
255 Ile Leu Arg Asp Pro Ser Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
256 295 300 305 310 315 320
257 ttc ttc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 774
258 Phe Thr Asn His Met Gln Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
259 325 330 335 340 345 350
260 ttc ctg gtc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 831
261 Phe Leu Val Arg Asp Gly Arg Leu Ala Val Asp Tyr Lys Ala Leu Thr
262 355 360 365 370 375 380
263 ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc ggc 888
264 Arg Ser Leu Tyr His Val His Thr Gln Asn Thr Leu Arg Phe Phe Pro
265 385 390 395 400 405 410

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/557,262

DATE: 06/10/2010

TIME: 16:22:23

Input Set: A:\MIT087PC.txt

Output Set: N:\CRE3\05092000\I557262.raw

```

278 cta cac cac att cac att atg caa ggc cac cac ctc atc tgg gat cgc      290
280 leu arg his ile his ile val asp gly asp arg leu ile arg asp pro      300
281 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      310
282 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      320
283 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      330
284 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      340
285 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      350
286 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      360
287 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      370
288 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      380
289 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      390
290 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      400
291 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      410
292 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      420
293 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      430
294 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      440
295 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      450
296 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      460
297 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      470
298 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      480
299 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      490
300 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      500
301 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      510
302 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      520
303 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      530
304 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      540
305 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      550
306 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      560
307 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      570
308 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      580
309 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      590
310 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      600
311 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      610
312 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      620
313 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      630
314 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      640
315 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      650
316 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      660
317 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      670
318 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      680
319 phe pro glu ile gin lys val glu arg phe leu lys leu ser pro gin      690

```

VERIFICATION SUMMARY

PATENT APPLICATION US/09/357,262

DATE: 03/10/2000

TIME: 16:13:11

Input Set: A:\MIT087PC.txt

Output Set: N:\CRF3\05092000\I557262.raw

Info M: 00-0: Current Application Number differs. Replaced Application Number  
 Info M: 01-0: Current Filing Date differs. Replaced Current Filing Date